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the **ILLINOIS ENGINEER**



Silver Anniversary Issue - Dedicated to H. E. Babbitt



H. E. BABBITT, SECRETARY-TREASURER I.S.P.E.
(Thirty-three Years in the Society, Twenty-five as Secretary-Treasurer)
(See Pages 1, 2 and 3)

THE ILLINOIS ENGINEER, JANUARY, 1950—VOLUME XXVI, NO. 1

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Of Professional Interest

SILVER ANNIVERSARY ISSUE OFFICIALLY DEDICATED TO H. E. BABBITT

The ILLINOIS ENGINEER is just completing twenty-five years of publication and that fact is being marked by making this the Silver Anniversary Issue. Now, it so happens that State Secretary-Treasurer Babbitt is, also, completing twenty-five years of service to the Society in his present office and the members of the Board of Direction have enthusiastically directed that this Silver Anniversary Issue be dedicated to him as a small expression on the part of the Society of the debt it owes him for many years of generous service.

It is quite fitting and proper that we should do this. No member has ever given such unstinted and devoted service to society welfare. He has watched over its finances to see that the funds were spent to the best possible advantage of all the membership, that matters of society welfare should be provided for in the order of their importance, but above all, that the Society could be kept solvent. He has been in the van of the linking in the ever expanding accomplishment of society objectives, the social and economic welfare of the engineer. He has been the mainspring in so many society activities that it is impossible to record them all, but, on the other hand, unnecessary because they are so well known.

"When you think of the Illinois Society of Professional Engineers you think of Babbitt." That statement has been made so often throughout the membership of the Society that it has become axiomatic. Oh, he has his faults. But his good qualities so far outweigh his bad ones that we love him because of and in spite of them. And so, Professor Babbitt, we cordially and respectfully dedicate this Silver Anniversary Issue of the ILLINOIS ENGINEER to you with the hope that you will be willing to give many more years of service, ripened by experience, to the affairs of the Illinois Society of Professional Engineers.

EDITOR.

NOTICE, AMATEUR PHOTOGRAPHERS

Pictures taken at the annual meeting by amateur photographers will be judged on merit, clearness and human interest. Those pictures selected will be published in the February issue of the Illinois Engineer. Pictures must be in the hands of the Editor, 204 Civil Engineering Hall, Urbana, not later than January 31st. Decision of the judges is final. Here is a chance to have your work published. All pictures will be credited to the amateur submitting them. Give us a lot of pictures.

NEW OFFICERS FOR CHICAGO CHAPTER

At Chicago Chapter's annual meeting held Monday night, former Vice-President C. A. Walls was elected President for the ensuing year and George L. DeMent was elected Vice-President and Frank L. Reiter will be the new Secretary-Treasurer. Miles Lamb continues to hold over as Chapter Representative for the next year.

PRESIDENT'S MESSAGE—AN APPRECIATION OF H. E. BABBITT

As President of the Society for 1949, I consider it an honor to be in a position to express my appreciation of Harold E. Babbitt, both for his long and invaluable service to the Society and for his characteristics as a friend and fellow officer in the Society.

As a newcomer to the Society in 1938 and, at the same time, as a new member of the Board representing Joliet Chapter at the time of its organization, I stood somewhat in awe of the older Board members but particularly of Professor Babbitt. I wondered then, as some of the more recent members may still wonder, whether the Society was not a one-man show with Professor Babbitt cracking the whip. However, in the succeeding eleven years of association with him, I have become impressed with the fact that he does everything possible to avoid the role of czar and that the great deference paid to his opinion is due entirely to the knowledge held by the other members of the Board that this man has given half of a lifetime to the needs and problems of the Society. The Society is indeed blessed to have had a man who has been willing to make it his first love and give it the benefit of his great ability for so long a period of time.

Harold Babbitt, we salute you and hope you will be with us in the Society for many years to come.

JAMES WHELAN, *President*

COST OF LIVING INDEX

The correction factor to be applied to the I. S. P. E. Schedule of Minimum Fees and Salaries was 168.6 for November, 1949. This factor is based upon the U. S. Department of Labor's most recent Consumer Price Index.

CONTENTS OF THIS ISSUE

	Pages
Of Professional Interest	1-5
Silver Anniversary Issue—	
Dedicated to H. E. Babbitt	2-3
Program 65th Annual Meeting	6-7
List of New Members	7-8
Two Early Applications	9
News from Chapters	9-14
READ THE ADVERTISEMENTS	15-20

SUBSCRIPTION RATES

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Silver Anniversary Issue

Following are expressions of appreciation of the work of H. E. Babbitt in the Illinois Society of Professional Engineers from the seven most recent past-presidents of the Society, all men who at the present time are actively engaged in the work of the Illinois Society, the National Society, and for the welfare of the engineering profession generally. Alex Van Praag, Jr., was president in 1942, Wayne W. Wallace in 1943, J. H. Morgan in 1944, C. J. McLean in 1945, George H. Anderson in 1946, Duncan M. Campbell in 1947 and E. E. Cooper in 1948. No one can speak more authoritatively concerning the value of H. E. Babbitt to the Illinois Society than can these men who have held its highest elective office.

Their expressions of appreciation are given below just as they were presented to the Editor.

William A. Oliver, Editor
The Illinois Engineer
204 Engineering Hall
Urbana, Illinois

My Dear Mr. Oliver:

Thirty-three years ago, when a student at the University of Illinois, I became acquainted with Professor Harold E. Babbitt for at that time I was assigned to his class in water supply engineering. I confess that I was at first meetings somewhat apprehensive of my like for and appreciation of Professor Babbitt. I was unaccustomed to his manner of teaching and, too, to his distinctively individual manner of expression. Soon, however, all of my fears and apprehension were dispelled.

Now, for thirty-three years, I have been intimately associated with Professor Babbitt. I have met with him and worked with him almost continuously during that period. I have had his tireless and unending assistance while a student, during my services on numerous committees of the Illinois Society of Professional Engineers, and during my services as President of the Society. I have worked with him in behalf of the American Society of Civil Engineers. I have had occasion to have him as my guest at meetings of civic groups. There have been many other occasions of meetings and intimate business, professional and personal relationships. I have been awed by his ever-readiness and willingness to assist in any manner that the occasion permitted.

I have frequently been on the opposite side of the table or in an issue, but never have I failed to receive his most gracious and thoughtful consideration of my position. We have frequently violently disagreed on issues but we have never permitted our individual thinking to distort or mar a long period of personal friendship.

Thirty-three years is a mighty long time and it comprises a large part of a man's useful career. However, thirty-three years becomes an all too short a period when

one reflects the period of sincere friendship and associations with the gentleman, Harold E. Babbitt. No sufficient value can be placed upon my respect and esteem for his friendship. No adequate value can be placed on his services to the profession of engineering.

Very truly yours,
ALEX VAN PRAAG, JR.
President, I.S.P.E., 1942

An Appreciation of H. E. Babbitt

I can think of no more suitable or fitting medium than the Silver Anniversary edition of the *Illinois Engineer* to pay tribute to Professor Babbitt. It is no mere coincidence that he, too, is celebrating a silver anniversary representing 25 years of unselfish service as secretary of the Illinois society.

His efforts have been responsible to a large extent to the success of the society and the increasing prestige has gained for the membership during his long tenure in office.

Professor Babbitt's unbounded enthusiasm, his outstanding organizational ability and his thoughtful consideration for the welfare of professional engineers in all fields of endeavor made possible enactment of the Illinois Professional Engineers Registration Act. For this and his countless other endeavors, the Society stands forever indebted.

As one of Professor Babbitt's former students and one of the many beneficiaries of his wise counsel since the early 1920's, I would like to add my congratulations to the scores of others he is receiving on this, his silver anniversary as secretary of the Society.

WAYNE W. WALLACE
President, I.S.P.E., 1943

In Appreciation of H. E. Babbitt

During the nineteen years I have known Secretary Babbitt, he has always had the best interests of the Illinois Society at heart. He has given most freely of his time and effort. It is a good policy to keep one man in the secretary job of a democratic association for a long time in order to insure the stability and continuity of policies of the organization. He must be capable of standing as ballast and not as an anchor to insure these conditions to the organization, without retarding the progress of the organization in serving its members under changing social and economic conditions.

During the eight years I served on the Board of Directors of our Society, I found Secretary Babbitt the valuable member, in that he always brought out the information needed to maintain the stability and continuity of organization actions. This required that he be a member a lot of history of our organization, and he has plenty of insight into the interrelations and effects

Dedicated to H. E. Babbitt

board actions. This is not an easy job nor is it always appreciated, because it frequently retards or stops some member's pet project and antagonizes him.

On the other hand, H. E. is not reactionary. He is ready to go forward as soon as he is convinced that the action will promote permanent progress. I know this is because during my years on the Board the Society has been renovating its framework and changing its emphasis from technical to professional activities.

Since under our constitution, the Secretary-Treasurer is elected annually by the Board of Directors, and since seventy per cent of the Board is composed of the Chapter Representatives who are nominated and elected within their own chapters, the greatest tribute to H. E. Babbitt is that they have elected him to the Secretary-Treasurership year after year for all these years. I have never known of a dissenting vote.

J. H. MORGAN

President, I.S.P.E., 1944

Mr. W. A. Oliver, Editor

Illinois Engineer

Illinois Society of Professional Engineers

94 Engineering Hall

Urbana, Illinois

Dear Bill:

It is a pleasure to make my contribution to the Silver Anniversary issue of the *Illinois Engineer*. While my association with the Society has extended over only half of this era, the association with the engineers throughout the state of Illinois has been a most happy and pleasant one.

The first meeting of the Society which I ever attended was at Rockford about 20 years ago, and the one thing memorable about that meeting was the enthusiasm and spirit of our Secretary, Professor Babbitt. Several years later, as a member, I learned that it was that enthusiasm and interest in the Society which had guided the organization over many rough places for several years.

As a past President of the Society, I would like to pay tribute to the man whose devotion to the organization has resulted in some very outstanding accomplishments during the past few years. A long distance telephone call was received late one night a few years ago. The voice at the other end told of an opportunity to bring the merits of the Society to engineers throughout the state, which, if successful, would result in a substantial growth to our Society. There was a little matter of expense and some risk, but great objectives to be achieved. As the President of the Society, it was for me to decide whether to take the risk or not. The enthusiasm and anticipation in Professor Babbitt's voice over the telephone that night resulted in a decision to move forward and take the risk. We all know what the results of that activity were. Because of his enthusiasm, the

right decision was made. Our Society nearly doubled its membership in one year. The Illinois Society of Professional Engineers is indeed deeply indebted to our good Professor Babbitt for its present standing in the state of Illinois.

Sincerely yours,

C. J. McLEAN

President, I.S.P.E., 1945

An Appreciation of H. E. Babbitt

Twenty-five years ago the Board of Direction appointed Professor H. E. Babbitt as Secretary. How wise their selection of our "Professor" as Secretary was has been proven many, many times through the subsequent years. I have been a member through most of the years that Professor Babbitt has been Secretary and have served with him on the Board and, I know that his deep interest in and unselfish devotion to the Society, together with his keen analytical thinking, has done much to make the Society what it is today. No one could have done more and we members can rightly be proud of our Secretary. Congratulations to you, Mr. Secretary, on this your Silver Anniversary!

GEO. H. ANDERSON

President, I.S.P.E., 1946

An Appreciation of Professor Harold E. Babbitt Secretary-Treasurer of Illinois Society of Professional Engineers

It is most appropriate that this Silver Anniversary Issue of the *Illinois Engineer* be dedicated to our well known and respected Secretary-Treasurer, Professor Harold E. Babbitt.

Professor Babbitt, a member since 1916 and Secretary-Treasurer for the past twenty-five years, has been one of the most able and enthusiastic workers and directors of the destiny of our Society. As a teacher, scientist and practicing professional engineer he has been friend to countless numbers of Engineering students, Society members and his fellow men.

Prior to becoming Secretary-Treasurer of our Society Harold E. Babbitt managed to wedge into his life a few outstanding bits of work in our behalf, serving on many Society committees, as Vice-President, President in 1923, and today is one of the most honored Honorary Members of the Illinois Society of Professional Engineers.

During the past our Society lived through many dark and bleak days when the outlook for its continued existence seemed hopeless. More by the courage, perseverance and will to succeed of Harold E. Babbitt than any other member our standard remained aloft and the Illinois Society weathered the storms.

As a former official of Illinois Society I express my gratitude to Professor Babbitt for his help as an exacting but kind and genial friend.

DUNCAN M. CAMPBELL

President, I.S.P.E., 1947

Prof. W. A. Oliver
204 Engineering Hall
Urbana, Illinois

Dear Bill:

It is my understanding that our Secretary-Treasurer H. E. Babbitt has now rounded out 25 years or more of service in an official capacity to I. S. P. E.

As Past President, I would like to extend to him my personal appreciation and I am sure that every member of the society shares my feelings.

Having had the opportunity of working with Mr. Babbitt for several years on the State Board of Direction and as Vice-President and President, I now marvel at our Secretary's untiring effort, knowing he has given 25 years doing just the kind of work and solving the knotty problems that are continually coming before him for the welfare of the organization.

I believe if I narrowed all my pleasures and satisfaction which I enjoyed during my regime as president down to just one, it would undoubtedly be the association and counseling with Secretary Babbitt upon matters of importance to the Society.

The name of our organization and H. E. Babbitt are synonymous, that is, H. E. B. to most of our members mean Illinois Society of Professional Engineers and the reason is obvious.

Nothing better can be said of a man than he bears acquaintance or wears well. This is another good quality that H. E. Babbitt is endowed with and it so happens that I am in a good position to testify to this in his behalf.

Our Secretary has made history in the building of our Society that probably will never be duplicated and I agree with many other officers and members that recognition should be thrust upon him now even though we are hoping his services will continue for many years.

Sincerely yours,
EARL COOPER
President, I.S.P.E., 1948

TWENTY-FIVE YEARS WITH THE ILLINOIS ENGINEER

P. E. ROBERTS, *Field Secretary*

The ILLINOIS ENGINEER, like most society publications follows the general economic trend, that is when times are good the magazine expands and when times are not good, the magazine shrinks.

The predecessor of the ILLINOIS ENGINEER was a bulletin first written and sent out by Mr. H. E. Babbitt in 1923 when he was President. The following year he became Secretary and except for a leave of absence during 1929 and 1930 he has been Secretary ever since. In 1924, Babbitt expanded the bulletin to four pages and in February, 1925, Volume I, Number 1 of the ILLINOIS ENGINEER made its appearance.

While Mr. Babbitt made his round the world trip, W. D. Gerber acted in his place as both secretary and editor

of the new infant, the ILLINOIS ENGINEER. Pictures and drawings were liberally used and advertising space offered. Pacific Flush Tank was the first display space advertiser and through the years has been a loyal supporter. Other advertisers have been extremely helpful but the volume of advertising has never paid more than a fraction of the cost of publication.

In 1944 Mr. W. A. Oliver took over the editorship and Babbitt became Associate Editor. Both men are at present serving in these capacities.

The ILLINOIS ENGINEER has been the medium by which the membership has received its general information. In the past, many technical papers were published but at the present time, the emphasis is toward the economic rather than the technical aspect of the engineer's reading. The magazine has always been an "Open Forum" to its membership and some highly controversial subjects have been argued in its pages. It is your magazine; you feel the urge—use it.

ANNUAL MEETING OF N. S. P. E. AND MEETING OF BOARD OF DIRECTION

December 8, 9 and 10, 1949

Report of the National Director, W. A. Oliver

The Annual Meeting of the National Society of Professional Engineers was held in Houston, Texas, on December 8, 9 and 10, 1949. As usual it was held as a joint convention with the host State Society. The National Board of Direction also met and the following is primarily a report of that meeting.

By the time this is in print North Carolina will have fulfilled the necessary requirements to make it the thirty-fifth member state society of the N. S. P. E. They were given conditional membership at Houston. During the past several years at every meeting of the National Board of Direction one or more new state societies have been admitted to membership and in the remaining thirteen states organizational work is progressing to a point where in the not too distant future there will be a member society in all forty-eight states. The National Society now has more than 21,000 individual members. This phenomenal growth can stand alone as an indication of the importance that the National Society is assuming in the eyes of the engineering profession and, also, of the need that the profession has for such a society.

The report of the Ethical Practices Committee dealt principally with the study of ways and means of improving the relationship between the architectural and engineering professions. In order to improve such relationship they made the following proposals:

A. That no revision to a registration act, building code or ordinance be promulgated by a member State or Local Society without consultation with the appropriate State or Local Society Architects.

B. That State Architectural Societies be invited to participate in studies leading to the development of:

1. Uniformity of schedules of fees for professional services

2. A schedule of fees to be charged when one profession does work for the other.
3. That State Architectural Societies be invited to collaborate the development of a Statement of General Policy defining the lines of work to be handled by each of the professions, as a guide to the members of the respective Societies.
4. That State and Local Societies be urged to include an Architect as a speaker at one of their meetings each year.
5. That the officers of State and Local Architectural Societies be invited to the Conventions or Annual Meetings of our Societies.

In several states working agreements embodying these proposals have already been established.

The Publications Committee reported several changes in the management setup of the *American Engineer*. Mr. Kenneth E. Trombley has been employed as editor to replace Mr. Franklin Page who resigned on September 1st. Mr. Frazer Sheets has been appointed as full-time advertising solicitor with headquarters in New York City and is working under the supervision of Executive Director Robbins, and Mr. Arthur Becks, Office Manager at National Headquarters, has assumed the additional responsibility of Business Manager of the *American Engineer*. These changes and additions are important and wide in their scope and were made after careful consideration of the magazine's welfare. Many improvements in its publication are anticipated.

The completion and distribution of the Chapter Handbook has been the very important accomplishment of the Chapter Activities Committee during 1949. Two copies were sent to each local chapter of the member state societies, so that the entire membership should have some familiarity with it by this time. The Handbook which has been universally well received was prepared to nourish and improve society activity at the local chapter level. A more complete report on the use of this handbook by the Illinois Society will be printed in the February issue of this magazine.

The following recommendation of the Committee on Young Engineers was adopted and summarizes the gist of its activities during the past year:

"We recommend that the Legislation Committee and the Legislative Analyst be instructed to prepare a program before the 1950 elections, for the protection of young engineers against any changes in the present law (Taft-Hartley) which would permit conversion of professional employees into nonprofessional units. This program should include specific advice to State Societies and Local Chapters on the indoctrination of all candidates for the House and Senate on the importance to our national economy of a free and unfettered engineering profession. The objective should be to obtain assurances from candidates of all parties that, whatever their attitude toward the more general features of labor legislation, they will accept and preserve the present immunities of professional employees."

This committee will be known in the future as the Committee on the Engineer-in-Training.

It should be noted in this report that a nationwide study of engineering fees and salaries is now going forward in the National Society. Progress was reported at the Houston meeting but it is expected that some time will elapse before the results of the study can be presented to the membership.

One of the important matters considered by the National Board at Houston was the so-called Truman Point 4 Program. Much publicity has been given to this matter by the National Society at the local level so that no discussion of it need be given here. The Board went on record as approving the program in principle but in line with a well established policy, recommended that the Society avoid the political or economic aspects of any proposed legislation. Quite properly, objections were raised against the expenditure of large sums of public money abroad without expected return and President Stanford expressed what was apparently the general opinion of the Board that as citizens, the members of the National Society would certainly not approve the spending of large sums of public money without the expectation of adequate return. On the other hand, however, the Society would unquestionably support the concept of the United States providing engineering and technical advice and assistance to the free nations of the world in order that such nations might become more self-sustaining.

Concerning a matter of direct and local interest, the National Board reaffirmed, in connection with the Casler-Stapleton case relative to the Fair Labor Standards Act, the stand it took in March, 1949, with regard to the similar Turpin case. "The Board felt that it would be impossible for the N.S.P.E. to enter into the initial considerations of such law suits, but that where the principle was to be established by further decisions and review by higher courts that N.S.P.E. might well give consideration at that time to some participation." It will be remembered that the Government dropped its appeal in the Turpin Wage-Hour Case. This whole matter was discussed in an article, "New Look in Wage Hour" by the N.S.P.E. Legislative Analyst in the December, 1949, issue of the *American Engineer*.

The Committee on Intersociety Relations gave a very encouraging report upon the progress that is being made towards a better understanding on the part of the Technical Societies, regarding the purpose and function of the N. S. P. E. The National Society has been progressing without and in spite of them, but if we can have their blessing and cooperation, progress will be accelerated.

The National Director closes this report with the usual admonition that discussion of details, regarding the activities of the N.S.P.E. covered herein and elsewhere, should be read in the monthly issues of the ILLINOIS ENGINEER and the *American Engineer*.

Movement of crude petroleum and its products during 1938 totalled 354,420,660 tons while in 1948 the total was 678,753,937, an increase of 91.5 per cent. The data includes transportation by pipe lines, trucks, water carriers and railroads. In 1948, refined products moved largely in water carriers, followed by trucks, railroads and pipe lines in that order.

Program 65th Annual Meeting

Thursday, January 26, 1950

HOTEL ORLANDO, DECATUR, ILLINOIS

Morning

- 10:00 Registration
Greet old friends—meet new ones.
- 10:30 Inspection Trip—Sight-seeing trip of Decatur
- 12 Noon Luncheon and Final Meeting of 64th Board of Direction

Afternoon

- 1:30 Inspection Trip
- 3:00 Board Meeting open to accept and act upon Committee Reports

Evening

- 7:30 Social Gathering and Smoker
Central Illinois Chapter, hosts

Friday, January 27, 1950

HOTEL ORLANDO, DECATUR, ILLINOIS

Morning

- 8:30 Inspection Trip
- 9:00 Moving picture, "The Drama of Portland Cement"
- 10:00 Sixty-fifth Annual Business Session of the Illinois Society of Professional Engineers
- 12 Noon Luncheon—James Whelan presiding
Talk by Dean William L. Everitt, Dean of the College of Engineering, University of Illinois
"Color in Television—Now and in the Future"

Afternoon

- 2:00 Continuation of the Annual Business Meeting of the Society
- 4:00 Inspection Trip
- 5:00 Close of the Annual Business Meeting

Evening

- 7:00 Sixty-fifth Annual Banquet—James Whelan, presiding
Howard Bold, Master of Ceremonies
T. G. LeClair introduces speaker
Speaker—Noble J. Puffer, Director, Department of Registration and Education, State of Illinois
Entertainment

HOTEL ORLANDO, DECATUR, ILLINOIS

Saturday, January 28, 1950

Morning

- 9:00 Moving pictures—Ski Holiday; Production, Key to Plenty; Basketball Thrills of 1948

10:00 Professional Society Session

Speakers:

- Milton Lunch, N. S. P. E. Legislative Analyst
"The Legislative Situation in Washington"
- Gustave Egloff, President of Western Society of Engineers
"The Professional Engineer and Labor Legislation"
- William H. McPherson, University of Illinois
"Labor and Industrial Relations"
- Alex Van Praag, Jr., Past President N. S. P. E.
"Professional Unification—Possibilities and Progress"

12 Noon Adjournment of 65th Annual Meeting

Afternoon

- 12:30 Luncheon for the 66th Board of Direction (New Board)
- 1:30 First Meeting of the 66th Board of Direction
- 5:00 Close Board of Direction Meeting

LADIES' PROGRAM AT THE ANNUAL MEETING



Mrs. Walter Scherer

The very attractive Chairman of the Ladies' Program Committee

THURSDAY FOR THE LADIES

Morning

10:30 Registration

Afternoon

- 12:30 Lunch at Greider's Mezzanine or Hotel Orlando
- 2:00 Tour of Decatur; Visit Art Institute; Play Canasta at Hotel Orlando

Evening

8:30 Social Gathering with the Men
Central Illinois Chapter, hosts

FRIDAY FOR THE LADIES**Morning**

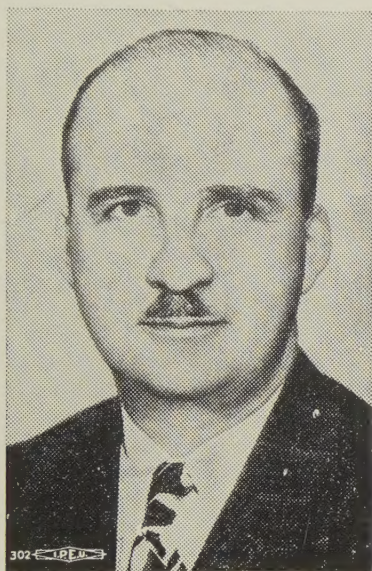
8:30 Coffee Hour

Afternoon

12:30 Luncheon at Staley Manufacturing Company
2:00 Cooking Demonstration by Mary Mathews, Home
Economist in Staley's Model Kitchen

Evening

7:00 Sixty-fifth Annual Banquet with the Men

**SPEAKERS AT THE ANNUAL BANQUET
AND LUNCHEON**


Noble J. Puffer

It is hard to believe that Noble J. Puffer began his professional career as a director of athletics but he did in a coal town in Southern Illinois—Harrisburg. From athletic director he moved to assistant principal of Arlington Heights High School. His work was so outstanding that he was asked to take the responsibility of Assistant Superintendent of Cook County Schools in which position he served for eight years. In 1934 he was made County Superintendent of Cook County Schools. During his fifteen years of service as County Superintendent he rated national recognition when he was elected and served as President of the National Association of County Superintendents.

Governor Stevenson made a very able selection when he appointed Mr. Puffer as Director of the Department of Registration and Education.

Director Puffer's address at the Banquet of the 65th Annual Meeting on Friday night will be factual and interesting. Mr. Puffer has the interest of the engineer at heart and the Society is fortunate in being able to hear him at its Annual Meeting.



William L. Everitt

Dean William "Bill" Everitt, to those of us in the Illinois Society who have had a chance to get acquainted with him, is an able executive, a hard worker, and a real "down to earth" engineer. It is an innovation in the College of Engineering to have an electrical engineer as its chief executive officer but Dean Everitt has already earned his spurs.

Since his graduation from Cornell University he has had a rich background of teaching, industrial and army life which when added up means that Mr. Everitt knows the score.

It is a real privilege for the Illinois Society of Professional Engineers to have the opportunity to hear and get better acquainted with one of our fellow engineers from the campus of the University of Illinois. He will be our luncheon speaker on Friday at the Annual Meeting.

**LIST OF MEMBERS ADMITTED TO THE ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS
BETWEEN APRIL 27, 1949, AND DECEMBER 28,
1949**
National

Philip S. Adamo, 926 N. 9th Street, Springfield, Illinois
William T. Ades, 5220 East Drive, Loves Park, Rockford, Illinois
Harry J. Alton, 901 S. Glenwood Avenue, Springfield, Illinois
Vern E. Alden, 120 S. LaSalle Street, Chicago 3, Illinois
Leon B. Andrews, R. R. No. 3, Hazel Dell, Springfield, Illinois
Joseph C. Bates, Jr., 113 E. Sproul Street, Sparta, Illinois
James R. Bissett, 1113 W. Green Street, Urbana, Illinois
Norman R. Carson, P. O. Box 404, Wauconda, Illinois
Robert S. Chamberlin, 904 S. Carle Avenue, Urbana, Illinois
George Coldewey, 847 W. College Avenue, Jacksonville, Illinois
Frank J. Cremer, 612 S. Second Street, Springfield, Illinois
Stanley G. Cutler, 604 Gas Electric Bldg., Rockford, Illinois
Lawrence J. Doyle, 407 Adelia Street, Springfield, Illinois

Augustus C. Durdin, III, P. O. Box 216, Rockford, Illinois
 Fred L. Fletcher, 303 N. Main Street, Rockford, Illinois
 Robert R. French, 214½ S. Grand Avenue West, Springfield, Illinois
 Frederick R. Friedewald, 21 S. First Street, Belleville, Illinois
 E. I. Fiesenhiser, 9512 S. Lowe Street, Chicago 28, Illinois
 J. Merrill Goodell, 354 E. Vernon Street, Farmington, Illinois
 Martin M. Grady, Hawthorne Lane, Lake Springfield, Springfield, Illinois
 J. J. Graven, 303 N. Main Street, Rockford, Illinois
 Clifford M. Hathaway, 829 S. State Street, Springfield, Illinois
 Stanley H. Hobson, 340 Blackhawk Park Avenue, Rockford, Illinois
 Ralph R. Hodges, 4824 W. Main Street, Belleville, Illinois
 Robert Hofmann, 701 Institute Boulevard, Dixon, Illinois
 John P. Hollerich, Box 391, LaSalle, Illinois
 Ernest G. Hurst, 621 Fairmont Place, Hillsboro, Illinois
 C. P. H. Jordan, 610 W. Van Buren Street, Chicago, Illinois
 Stanley W. Knetsch, 721 N. 7th Street, DeKalb, Illinois
 George H. Knostman, 708 Fairgrounds Avenue, Hillsboro, Illinois
 James L. Leach, 910 N. Broadway, Urbana, Illinois
 John M. Ledford, 2208 E. 70th Street, Chicago 49, Illinois
 Kenneth S. Leiter, 114 Hampton Court, Peoria, Illinois
 Earl W. Markwardt, Box 96, Smithton, Illinois
 Charles S. Meuer, 1145 Vandalia Road, Hillsboro, Illinois
 Glenn S. Moore, 1112 N. 3rd Street, Springfield, Illinois
 Robert K. Newton, 906 W. Green Street, Urbana, Illinois
 Van C. Norman, 617 W. Clark Street, Champaign, Illinois
 James H. Potter, 707 Ohio Street, Urbana, Illinois
 Stona N. Powell, 315 S. Pasfield Street, Springfield, Illinois
 Neil F. Pruitt, 1722 S. 4th Street, Springfield, Illinois
 Vincent A. Rago, 12200 Lafayette Avenue, Chicago 28, Illinois
 Thomas H. Reese, Jr., 9600 W. Main Street, Belleville, Illinois
 Frederick A. Reickert, 913 S. Foley Avenue, Champaign, Illinois
 Vernon M. Romine, 1712 S. Douglas Avenue, Springfield, Illinois
 Alfred P. Rosche, 1215 Seymour Avenue, Hillsboro, Illinois
 Theodore W. Rust, 715 S. 6th Street, Pekin, Illinois
 Norman Saper, 1227 Hyde Park Boulevard, Chicago 15, Illinois
 Marvin R. Schpok, 5447 Cornell Avenue, Chicago 38, Illinois
 Ernest Sporry, 4645 Woodland Avenue, Western Springs, Illinois
 Arthur G. Stout, 400 W. Madison Street, Chicago 6, Illinois
 Herschel A. Stults, R. R. No. 3, Springfield, Illinois
 Paul E. Swank, 715½ S. Second Street, Springfield, Illinois
 Elmer E. Young, 2524 S. 10th Street, Springfield, Illinois
 John V. Wall, 1117 Barthelme Avenue, Joliet, Illinois
 William K. Waltz, 613 Richmond, Joliet, Illinois
 George T. Watson, 1168 N. Western Avenue, Lake Forest, Illinois
 Wallace F. Wiley, 1500 W. Capital Avenue, Springfield, Illinois
 Harold J. Worley, 8458 S. Bennett Avenue, Chicago 17, Illinois

Affiliate

James P. Byrnes, 3645 McCormick Avenue, Hollywood, Illinois
 William S. Chaney, 25 N. Ottawa Street, Joliet, Illinois
 Louis J. Daigle, 4324 Forest Avenue, Rockford, Illinois
 G. E. DeBourge, 2257 Keystone Avenue, Chicago 39, Illinois
 Theodore A. Mucha, 2538 Walton Street, Chicago 22, Illinois
 Stephen J. Penko, 1120 Bellview Avenue, Joliet, Illinois

Engineer-in-Training

Richard W. Brown, 1014 Harvard Street, Champaign, Illinois
 William E. Budd, W. Washington Boulevard, Springfield, Illinois
 Charles E. Burris, 2701 Holmes Avenue, Springfield, Illinois
 Morton G. Carrel, 327 S. Glenwood, Springfield, Illinois
 Robert L. Crist, 520 S. 2nd Street, Springfield, Illinois
 James H. Dinkheller, 518 W. Jefferson, Springfield, Illinois
 Marion R. Dowell, 849 S. Douglas Street, Springfield, Illinois
 Russell L. Giffin, 2317 S. Holmes Avenue, Springfield, Illinois
 Charles N. Givens, Jacksonville, Illinois
 James F. Halsey, 121 Talbot Laboratory, Urbana, Illinois
 Michael L. Harkins, 309½ E. Pine Street, Springfield, Illinois

James W. Harland, R. F. D. No. 1, Springfield, Illinois
 Glenn S. Harris, 622½ W. Monroe Street, Springfield, Illinois
 Ralph W. Haslett, 109 W. Monroe Street, Springfield, Illinois
 Edward R. Healy, 122 N. Walnut Street, Champaign, Illinois
 John P. Hine, 206½ N. 5th Street, Springfield, Illinois
 Vincent J. Kirbach, R. R. No. 5, Carrollton, Illinois
 Eugene H. Kroon, 109 E. Scarritt Street, Springfield, Illinois
 William D. Messer, 906 S. 6th Street, Springfield, Illinois
 L. C. Pfulb, Jr., 729 N. 6th Street, Springfield, Illinois
 James T. Rayburn, 868 S. Park Street, Springfield, Illinois
 Marcus J. Rice, 921 S. Spring Street, Springfield, Illinois
 M. L. Rotramel, Jr., 600R Black Avenue, Springfield, Illinois
 R. A. Sandoval, 615½ S. English, Springfield, Illinois
 William H. Smith, 625½ S. Wright Street, Springfield, Illinois
 Ross P. Strout, 312 W. Washington Street, Springfield, Illinois
 Carl E. Thunman, Jr., 220 W. Vine Street, Springfield, Illinois
 Ross D. Watkins, 833 Dorlan (R), Springfield, Illinois
 James J. Wavering, 1612 Knox Avenue, Springfield, Illinois

Junior

Robert Boe, 3929 N. Keeler Avenue, Chicago 41, Illinois
 Jack Bruin, 405 E. Green Street, Urbana, Illinois
 Duane R. Chicoine, 1054 W. Decatur, Decatur, Illinois
 George L. Clack, 301 W. Grove Avenue, Rantoul, Illinois
 Roland D. Collins, 57 E. Healey Avenue, Champaign, Illinois
 L. J. Fletcher, c/o Dean R. E. Gibbs, Bradley University, Peoria, Illinois
 R. H. Harmeson, 824 W. Columbia, Champaign, Illinois
 Philip V. Hoover, 1104 Hamilton Street, Lockport, Illinois
 Melvin W. Hurdle, 505 N. Division Street, Polo, Illinois
 E. F. Koncel, 5005 S. Damen Avenue, Chicago 9, Illinois
 David Pasik, 1136 E. 46th Street, Chicago 15, Illinois
 Roger L. Pendleton, 945½ S. 5th Street, Springfield, Illinois
 Owen W. Pollard, 303 N. Main Street, Rockford, Illinois
 Ralph W. Stewart, 5420 E. View Park, Chicago 15, Illinois
 Robert B. Stringer, 2121 Auburn Street, Rockford, Illinois
 Harlan P. Tripp, Fisher, Illinois
 Thomas F. Weber, 6346 N. Hermitage Avenue, Chicago, Illinois
 James H. Woods, Waggoner, Illinois
 Edwin L. Young, 1249 S. 5th Street, Kankakee, Illinois

Student

James B. Andrews, 401 S. Prospect Avenue, Champaign, Illinois
 W. E. Beller, 107 Behrends Street, Peoria, Illinois
 Frank E. Blake, Jr., 51 E. Green Street, Champaign, Illinois
 Carl G. Blanyer, 602 S. 5th Street, Champaign, Illinois
 Robert C. Cole, 613 Dawson Avenue, Rockford, Illinois
 D. C. Colletti, 611 Ellis Avenue, Peoria, Illinois
 Walter R. Conner, 1621 Loveland, Springfield, Illinois
 Eugene F. Corbin, 1221 9th Street, Rockford, Illinois
 G. W. Frederichs, 131 S. Walnut, Arlington Heights, Illinois
 Robert R. Fuener, 2701 N. Sheridan Road, Peoria, Illinois
 William J. Fletcher, 906 S. Maple Street, Urbana, Illinois
 Richard M. Fulrath, 1213 W. Main Street, Urbana, Illinois
 George E. Gonigam, Walnut, Illinois
 M. G. Hagerstrom, 409 Lafayette, Beardstown, Illinois
 William H. Hieronymus, 3031 N. Main, Rockford, Illinois
 Harold W. Hill, 3104 9½ Street, Rock Island, Illinois
 William H. Killen, 3011 Kling Street, Rockford, Illinois
 Edwin C. Stovanoff, 141 Fulton Avenue, Waukegan, Illinois
 Raymond V. Traver, 1233 Benton Street, Rockford, Illinois
 Carl A. Wieland, 1055 8th Street, Boulder, Colorado
 Thomas E. Williams, 1720 Douglas Street, Rockford, Illinois

Ben Franklin put it this way: "There is no turning back the pages of time. So today, this hour, this minute is the moment to start conserving time, to use it effectively. For only by using it effectively can we do justice to ourselves."

ILLINOIS SOCIETY OF ENGINEERS AND SURVEYORS.

Application for Membership.

Full name Daniel W Mead
 Day and year of birth March 6th 1862
 Present residence Rockford Ill.
 Present occupation City Engineer
 Nature and extent of professional service Graduate of Cornell University as Civil Engineer. one year as Topographer U.S.G.S. 1 1/2 years as City Engineer

I desire to become a member of the ILLINOIS SOCIETY OF ENGINEERS AND SURVEYORS, and, if elected, I will endeavor to forward the interests of the Society.

Daniel W Mead
 Dated at Rockford Ill. Jan 17th 1887
 Approved by Executive Board.

G. C. Elliott

ILLINOIS SOCIETY OF ENGINEERS AND SURVEYORS.

Application for Membership.

Full name Samuel S. Greeley
 Day and year of birth October 11th 1824
 Present residence 60 Bellum Place Chicago
 Present occupation Surveyor & Civil Engineer
 Nature and extent of professional service Asst Engineer on Boston Water Works 1846 to 1848; on Rutland & Bennington RR in Vt. 1848 to 1850; on Orange & Alexandria R.R. Virginia 1850 to 1851; Surveyor & Civil Engineer in Chicago since 1853

I desire to become a member of the ILLINOIS SOCIETY OF ENGINEERS AND SURVEYORS, and, if elected, I will endeavor to forward the interests of the Society.

Samuel S. Greeley
 Dated at Chicago Dec 13 1886
 Approved by Executive Board.

J. O. Baker

TWO VERY EARLY APPLICATIONS FOR MEMBERSHIP IN THE SOCIETY

One is impressed with the age and long standing of the Illinois Society when the dates on the above applications are noted. They are dated about a month apart, Mr. Greeley's, December 13, 1886 and Professor Mead's, January 17, 1887. All of the men whose signatures appear are Past Presidents of the Society, I. O. Baker in 1886 and 1887, C. G. Elliott in 1888 and 1889, S. S. Greeley in 1892 and 1893, and D. W. Mead in 1894 and 1895. The Society takes pride in its long years of service to the engineering profession in Illinois.

News From Chapters

Capital Chapter

Regular dinner meeting of the Capital Chapter of the Illinois Society of Professional Engineers convened at "The Mill" at 6:00 p. m. November 22, 1949.

The meeting was called to order by President Frost. The secretary reported on 6 members elected by a vote of 67-0.

The Membership and Refresher Course chairman reported on the progress they are making.

A motion that the annual meeting be advanced to December 13th was unanimously adopted.

The Nominating Committee presented the following slate of candidates for next year's officers:

James P. Murphy.....President
 J. W. Marquardt.....Vice-President
 L. D. Hudson.....Secretary
 Arthur KesselTreasurer

The committee urged that additional nominations be made from the floor at the annual meeting, December 13, 1949.

The Committee on the Fair Labor Standards Act presented its report which was adopted after a lively discussion. The discussion brought out that this will probably be a test case and that other test cases in Kansas City, Denver and California are apparently being prepared. A copy of the report is given below.

Point 4 legislation was discussed at length. A motion was adopted that President Frost appoint a committee to voice the chapter's approval of the President's Point 4 Program with emphasis on private enterprise.

The chapter unanimously approved a motion opposing any Engineers Day.

The chapter approved the expenditure of \$20.00 for a Capital Chapter room at the State Convention.

Fifty-one members present.

Meeting adjourned at 10:00 p. m.

J. W. MARQUARDT, Secretary

REPORT OF COMMITTEE ON FAIR LABOR STANDARDS ACT

November 22, 1949

On November 21, 1949, the chapter committee examined the Fair Labor Standards Act, particularly in connection with its application to the investigation of Casler and Stapleton, Consulting Engineers, Jacksonville, Illinois, and make the following recommendations for chapter policy and action:

1. That every effort should be made by the Society of Professional Engineers at the local, state, and national levels, to resist any and all applications of the Fair Labor Standards Act to the professional and consulting engineers.
2. That the Illinois Society of Professional Engineers and the National Society of Professional Engineers should be requested to participate both financially and by legal counsel in this and any other case wherein there is an attempt to apply the Fair Labor Standards Act to the professional and consulting engineers.
3. That counsel for the Illinois Society of Professional Engineers and National Society of Professional Engineers be requested to assist and participate in conjunction with Robinson, Foreman and Rammelkamp, counsel for Casler and Stapleton, in defense against proceedings that may arise in connection with the investigation of that firm of consulting engineers.
4. That the Capital Chapter secure legal opinions from counsel of the Illinois Society of Professional Engineers and the National Society of Professional Engineers regarding the application of the Fair Labor Standards Act to the practice of professional and consulting engineers.
5. That request be made of the National Society of Professional Engineers to send all available information pertaining to this case or similar cases arising in other states, to all state societies, and that all state societies take immediate steps to report the filing or investigation of any new cases within their state to the National Society for their legal participation and assistance in such cases.
6. That the proceedings in the case of Casler and Stapleton be considered as a threat to the standing and welfare of the professional and consulting engineers, and that it is class legislation against the engineering profession as compared to the doctor and the lawyer, who are exempt from the Act as it now stands.
7. That request be made of the National Society of Professional Engineers that immediate steps be taken to place in operation a procedure whereby financial aid can be raised by assessment or other means, if need be, for the defense of this case or any other cases of this nature.
8. That the Capital Chapter fully inform Senator Scott Lucas, Senator Paul V. Douglas, and Representative Peter F. Mack of the action and investigation now being pursued against Casler and Stapleton, setting forth the opposition of the professional and consulting engineers to this discrimination.
9. That request be made of the National Society of Professional Engineers to fully advise the members of the Senate and the House of Representatives at Washington of the character of this investigation, setting forth the opposition of the professional and consulting engineers to this discrimination.

Respectfully submitted,

COMMITTEE ON FAIR LABOR STANDARDS ACT

R. M. Nankivil, Chairman, R. B. Thomas, K. K. Stapleton, Gustav A. Rhem, Ray V. Tilly.

Champaign County Chapter

Members and guests met at 6:30 p. m., Nov. 3, 1949, in the University Club for dinner and business meeting. There were 44 members and guests present.

After dinner Vice-President Kearns called the meeting to order. The minutes of the last meeting were read and approved. Mr. Kearns then asked for introduction of guests.

The following committee reports were then received:

Fees and Salary—W. D. Mitchell; no report. Ethics and Practice—J. H. Morgan; no report. Membership—In the absence of Mr. Kunsch, committee chairman, Mr. E. M. Anderson introduced four new members. Program—Mr. C. C. Ambrosius asked for an expression of opinion on date of next meeting. It was decided to hold the December meeting on the second Thursday, December 8, instead of the first Thursday. House—G. A. Anderson; no report. Finance—J. H. Montgomery; no report. Publicity—B. F. Muirheid reported that the decals had been ordered and should arrive before the next meeting. Awards and Resolutions—W. J. Putman reported that a suitable scroll for recognizing the 50 years of distinguished service to the society of Mr. W. D. Gerber would cost about \$35. The committee called for an expression of opinion as to whether or not some other type of recognition might be given so that the society could give more for its investment. Mr. Muirheid suggested a plaque might be suitable. Action was deferred until next meeting.

Mr. Roberts, Field Secretary for the I. S. P. E., was introduced. He presented a letter from the Executive Director requesting this chapter's opinion of President Truman's Four Point Legislation—H. B. 5615. Mr. Roberts briefly read and described the contents of the bill.

Mr. Morgan moved that action be tabled. Motion seconded. Mr. Lehman moved that this chapter go on record as opposed to the passage of this bill. Motion seconded and carried.

Mr. Lehman reported on the last Board meeting and gave plans for the tentative program for the annual meeting in Decatur. He further reported that Mr. Stall name had been placed in nomination for Junior board member. He also announced the slate of officers for I. S. P. E. for next year.

The speaker of the evening, Mr. K. S. Carlston, was introduced and his topic was "The Engineer and the Law." The meeting was adjourned at 8:45 p. m.

J. W. BRISCOE, *Acting Secretary*

Illinois Valley Chapter

The regular meeting of the Illinois Valley Chapter of the Illinois Society of Professional Engineers was held on November 22, 1949, at the Casa-Nova Restaurant and Cocktail Lounge three miles west of Ottawa on Route 6.

Dinner was served at 7:45 p. m. to twenty-six members and guests.

The meeting as advertised was to be known as "gripe night" with each member present being offered an opportunity to offer some constructive criticism on the conduct of Society affairs. Minutes of previous meeting were read and approved.

President Al introduced the guests in attendance and the meeting was opened for the aforementioned purpose. Tavern Miller, Chapter Representative, called attention to the fact that the Chapter Constitution did not conform to the State Constitution of the Society in several instances and he moved that the Executive Committee be empowered to revise the Chapter Constitution accordingly. This motion was seconded by E. D. Antrobus and passed unanimously.

A discussion on membership followed with attention being given to the fact that the chapter had not given sufficient effort to available members in the various industrial plants in the chapter area. It was moved by E. D. Antrobus and seconded by L. Miller that the Executive Committee prepare a list of available members in the area and present same to Membership Committee with orders to contact these individuals. Motion carried.

A discussion of chapter programs ensued with emphasis on the fact that our programs have possibly been too technical and suggestions were made that we should depart some from this policy and acquire programs of interest outside the field of Engineering. As a result of this discussion the chair appointed Cephas Williams of Streator, Illinois as chairman of a committee to arrange "Ladies' Night" for the regular meeting in January, and this committee to arrange for the time, place and program of said meeting.

The treasurer's report showing a balance of \$54.85 on hand was accepted.

Moved by L. Miller and seconded by R. Kenyon that the Executive Committee be empowered to formulate chapter policy concerning classification of engineers and report same to State Secretary's office as requested by that office. Motion carried.

Among the guests present was M. L. Signer of Golden, Colorado, Dean of the Colorado School of Mines, Chairman of the Colorado Section of the American Institute of Mining and Metallurgical Engineers and a member of the Planning Commission of the State of Colorado. A former employee of the Illinois Division of Highways and a former citizen of LaSalle County, Dean Signer was introduced. He spoke for fifteen minutes on the status of the engineer and primarily of his position in the State of Colorado. The membership was duly appreciative of the opinions he expressed.

Twenty minutes of unusual songs and music were provided by Herman Pickert and Whitey Hoffman of Streator. These men are employees in the personnel department of the Owens-Illinois Glass Company at Streator and were brought to the chapter with the compliments of the Vermillion Construction Company of Streator, Illinois.

Their program was highly enjoyable and well received. Meeting adjourned at 10:15 p. m.

J. B. MORAN, *Secretary-Treasurer*

Lake County Chapter

The regular monthly meeting of the Lake County Chapter of the Illinois Society of Professional Engineers was held Wednesday, November 16, 1949, at the Chateau du Jour restaurant. Dinner was served to 47 members and guests.

The business meeting was called to order by President Thacker at 7:50 p. m. The minutes of the meetings of September 21 and October 19 were read and approved. The treasurer's report was read and approved. President Thacker read a note from State headquarters discussing a proposed National Engineers Week and saying that the week of St. Patrick's Day and the week of Washington's Birthday had both been suggested. Mr. Amstutz suggested that the week of Herbert Hoover's birthday should also be considered as suitable. After considerable discussion, the members voted Hoover's birthday as first choice, St. Patrick's Day as second and Washington's Birthday as third choice. Mr. Amstutz announced that the December program would be either about the Swiss Railroads or a program on Television and the Electrical Transmission of Wires. President Thacker announced that the December meeting would be Election Night and appointed a Nominating Committee consisting of R. M. MacGregor as chairman, and members H. T. Dixon, W. G. Weber, and Andrew Klarkowski. This committee was instructed to have a slate of candidates for the various offices ready to be presented at the December meeting for consideration by the members.

President Thacker turned the meeting over to Mr. Kramer at 8:30 p. m. who then introduced Mr. Savage and Mr. J. E. McDermott of the Linde Air Products Corporation. Mr. McDermott addressed the meeting on uses of oxygen in the manufacture of steel and then showed a talking movie illustrating the behavior of an open-hearth furnace during the introduction of oxygen in various parts of the conversion of steel. There was a question and answer period for the members to clarify and broaden some of the points of interest.

President Thacker then called on Mr. Lobdell who advised the meeting that he was planning to move from the area served by the Lake County Chapter and that he soon would be forced to become inactive in its operation.

The meeting adjourned at 10:00 p. m.

M. T. ANDERSON, *Secretary*

Joliet Chapter

The first regular fall meeting of the Joliet Engineers' Club was held in a joint meeting with the Illinois Valley Chapter at the Morris Country Club, Morris, Illinois, Sept. 21, 1949. The meeting was opened with a delightful dinner, after which the meeting was called to order

and self-introduction of members of the two chapters and their guests took place.

Following introductions, the meeting was turned over to President Staats who introduced the speaker of the evening, Mr. Adolph H. Toepfer, whose topic was "Atomic Power—Past, Present and Future."

Mr. Toepfer discussed some of the problems of atomic energy and its practical applications, stressing the growing importance of the role engineers are playing in its development as compared to the original conception by the theorists.

Lantern slides were used by Mr. Toepfer to illustrate various points of interest and to present comparison of figures to tabular and graphic forms. The concluding feature was the "mousetrap" atomic uncontrolled reaction simulating an atomic explosion. A lively question and answer period followed.

Total number present was 64 members and guests.

* * * *

The regular November meeting of the Joliet Engineers' Club was held Tuesday evening, November 22, 1949, at the Candlelight.

President J. K. Staats opened the meeting at 8:20 p. m. by the usual self-introduction of guests.

The secretary was asked to read a proposed amendment to the Constitution and By-Laws of the Joliet Engineers' Club. The amendment would revise the Constitution by the removal of the office of secretary-treasurer and the substitution of two new offices, secretary and a treasurer. It also authorized the present secretary-treasurer to revise the Constitution and By-Laws to differentiate the duties of the two new officers. The motion was made, seconded and passed unanimously to adopt the amendment. It was also understood in the discussion preceding the voting that the office of secretary rank above that of treasurer.

The Nominating Committee at the request of President Staats presented the following nominations:

- President—Max Seiberling
- Vice-President—W. S. Gray
- Secretary—Fred Tittsworth
- Treasurer—A. C. Hoyt.

There being no nominations presented from the floor, it was moved and seconded and passed unanimously that the secretary be instructed to cast a unanimous ballot for the nominations presented by the Nominating Committee.

Mr. Fred Tittsworth then presented the program of the evening, two films on oil refining with commentary by Mr. Ralph Brown and Mr. Harry Bates of the Standard Oil Company of Indiana.

Present were 22 members and three guests.

WILLIAM S. GRAY, *Secretary-Treasurer*

Chicago Chapter

The December 12, 1949 dinner meeting of the Chicago Chapter was held at the Electric Club with President

V. E. Gunlock presiding. Thirty-nine members were attendance.

The president called on the Program Committee chairman, George L. DeMent, to introduce the guest speaker of the evening, Dr. Fritjof H. Arestad, Associate Secretary of the Council on Medical Education and Hospitals, of the American Medical Association, to talk the subject, "The Professional Status of Medicine."

The many questions asked was proof of the interest of the chapter's members in the subject and Dr. Arestad's aim to answer each question in none too brief manner caused this part of the program to considerably exceed the time allotted to it but all had reason to feel it was time well spent.

Fortunately, Prof. Frank W. Edwards returned from the Houston, Texas, Convention of our National Society in time to attend our meeting and was called on by the president to tell of the Convention activities. Professor Edwards responded to the request with a very interesting summary of his Convention experiences and briefly outlined the more important actions taken at Houston, the highlights of the discussions and decisions made along with some of the incidents that came to mind. In all he stated the Convention was a very good one and had a splendid group of noted speakers on its program.

In starting the business session a motion to dispense with the reading of the minutes was adopted and the president called on the chairman of the Membership Committee, Leo A. Des Autels, for report. Making his annual report for that committee, he reported 56 members had been added to the roster which included 8 from the members who transferred from other chapters. During the course of the year 10 members were transferred from other chapters and death claimed 3. Six resigned and 5 were dropped. This made the total members lost and left the net gain of 32 members, making the membership of the chapter 521. The measure of success achieved by the Membership Committee evidenced the fact that this committee had been very active throughout the year. In addition to promoting membership gains this committee rendered good service in speeding dues payment and promoting the Refresher Courses.

The treasurer's annual report detailed the receipts and expenses paid and a bank balance of \$391.50. Due in large measure to the receipt of the surplus funds from the 1948 Finance Committee, the total net assets of the chapter as of this date were reported as being:

Bank balance as of December 12, 1949.....	\$ 391.50
On deposit for bonds on Society's building....	400.00
Accounts receivable claim for unpaid rebates on dues.....	155.00
Estimated rebate on dues paid since July 1, 1949.....	75.00

\$1,021.50

Attaining net assets amounting to this four-figure sum was regarded as very gratifying.

In connection with a communication received from the State Society requesting the chapter to urge attendance at the Annual Meeting of the Society at Decatur January 26th to and including January 28th, 1950: Motion made to comply with request and appoint a committee to carry out the suggested plan to pool auto transportation, etc., was adopted. President Gunlock appointed Omar A. Cooper to serve as chairman and authorized him to name his committee members. Chairman Omar A. Cooper requested that all members going to the meeting inform him as soon as decision is made so the committee can arrange transportation and other details for the mutual benefit of all the members who wish they can attend the Decatur meeting. Chairman Cooper can be reached by phone by calling Bayport 3-3934.

The request that the chapter advise its preference as to the week to be selected in establishing a "National Engineers' Week" resulted in much discussion and was finally disposed of by the adoption of the motion to go on record as not favoring the establishing of any such "National Engineers' Week" because this idea is not sufficiently new and novel to prove of value as an aid to securing public attention.

The president announced the chapter had received from the National Society two copies of the "Chapter Handbook" which should serve to set up a fine Standard Practice for the guidance of chapter officers and committees and tend to make the routine handling of affairs at the chapter level more efficient and nationally uniform. Also reported having received a copy of the book, "The Engineering Profession in Transition," issued by the Engineers Joint Council. It publishes the information secured by way of a national survey based on 48,510 answers to questionnaires received from members of six engineering organizations. The many tabulations afford ready data such as number engaged in the various fields of engineering in geographical divisions; average earnings in public and private employment; years of experience; degree of education, etc. It is available for perusal of members interested.

The secretary reported on letters and printed matter received from the Chicago Technical Societies Council, one of which requested the co-operation of chapter membership in furthering the success of "The National Production Exposition" to be held at the Stevens Hotel April 4th to 8th, 1950, in conjunction with the Chicago Technical Conference. As our fellow member, D. William Fuller is a director of the Council, he was called on for comment on the present work and plans of that organization. He did this briefly and took the occasion to tell more fully of the planned Career Conference to be held at the Illinois Institute of Technology on December 27th to 29th, 1949. He asked to be allowed about 30 minutes at some future chapter meeting to explain the activities of the C. T. S. C. and particularly to discuss the Council's plan to enlarge its sustaining and sponsoring membership.

The secretary reported the decalcomanias which were to be available at this meeting had not been received to this date but doubtless would be distributed at the next chapter meeting.

The secretary reported the rebates received on membership dues paid in 1948 and 1949 were \$155.00 short of the amount due the chapter and he had made claim for this amount. Because the sum involved was quite material, Professor Babbitt requested action by the Board of Direction on this claim. It will be submitted to the Board at their January meeting. The discussion on this subject was closed by the adoption of motion to authorize our Chapter Representative, Miles Lamb, to make the best settlement possible at the Board Meeting, it being understood such settlement would have no bearing on any future claim Chicago Chapter may have reason to make.

President Gunlock, after assuring the chapter he had deemed it an honor and pleasure to have served as president of the chapter, called for the report of the Nominating Committee which was made by Past President Duncan M. Campbell in behalf of the committee's chairman Past President W. Wayne Wallace. The committee's report placed in nomination: Vice-President C. A. Walls for the presidency; Program Chairman George L. DeMent for vice-president; and Edward L. Reiter for secretary-treasurer. There being no response to the call for any further nominations, the motion to close the nominations and declare these nominees elected by unanimous vote was adopted and the secretary was instructed to cast ballot for:

C. A. Walls for president

George L. DeMent for vice-president

Edward L. Reiter for secretary-treasurer

of our chapter for the year 1950.

Because of the absence of the president-elect, C. A. Walls, the new vice-president, George L. DeMent, also spoke in behalf of President Walls as well in assuring the chapter they would serve the chapter to the best of their abilities and asked the hearty co-operation of the membership in helping them promote the best interests of the chapter. Secretary-Treasurer Edward L. Reiter stated he would do all he possibly could to properly carry out the duties and responsibilities of his position as secretary-treasurer of the chapter.

Motion expressing thanks and appreciation of the chapter to Past President Gunlock for the service he rendered so successfully as its president during the year met with unanimous approval and the good wishes of the chapter members will follow him in his new position as vice-president of the Illinois Society.

The chapter was pleased to learn of the honor conferred on two of our prominently active members at the recent meeting of the Engineers Joint Council. Alois W. Graf was elected first vice-president and Randolph A. Lonier was elected secretary-treasurer. As both were present at our meeting we were afforded the opportunity to personally extend congratulations and good wishes.

Vice-President DeMent presiding, advised time and place of the next chapter meeting would be decided at the meeting of the new officers and regular notice would be mailed in ample time.

There being no further business, motion to adjourn carried.

J. A. FENSTERLE, *Secretary*

LEGAL REGISTRATION IN A STATE CERTIFIES

1. Eligibility to perform professional service and creative work in the field of engineering.
2. Ability to apply knowledge of the mathematical and physical sciences to works of design, planning, supervision, evaluation and investigation.
3. The first step toward professional recognition.
4. Earmarked for professional activity as an arm of management.
5. A principle in design, a referee on construction, an arbiter in operation and a supervisor in maintenance.
6. That his qualifications have been reviewed by a legally constituted state board and that he has the necessary qualifications to practice engineering.
7. That those who know him vouch for his intelligence, integrity and ability and that they believe he is competent to undertake works requiring sound judgment and unquestioned ability.
8. That he is competent to practice, not only in his own state but wherever engineering work is needed.

WHAT IS THE PURPOSE OF REGISTRATION?

(Prepared by the Wisconsin Society of Professional Engineers)

The important objectives of professional registration are to safeguard life, health, property, and investments by assuring the public and employers that only those having adequate education and experience are allowed to practice. The lay public is not qualified to judge the competency of engineers. Unless the profession of engineering is legally established and regulated, the public is constantly exposed to the threat of unscrupulous practices by unqualified persons parading themselves as professionals.

What Good Will It Do Me to Register?

Registration is a milestone in the road to success in an engineering career. It is an indication of your professional caliber. Then, too, engineering executives in prominent Wisconsin corporations are saying that the time is coming when there will be a definite difference in salary between professional and ordinary or unqualified engineers. Already the "Registered Professional Engineer" is given consideration above the general technical worker.

Court interpretations of the Wagner Act give unions authority to bargain for all employees, except professional persons. Court decisions have established registered engineers as professional employees. For other engineers, the burden of proof rests with the individual.

PROFESSIONAL EXAMINATIONS

The November 1948 and the May 1949 State of Illinois Department of Registration and Education examinations for registered professional engineer have been reproduced in one booklet, available now.

PRICE \$1.00 POSTPAID

Address:

The Illinois Society of Professional Engineers

204 Civil Engineering Hall
Urbana, Illinois

A registered engineer testifies in court or before commissions as a professional engineer, and testimony is considered with appropriate weight.

Establishing your professional status will sometimes perhaps bring you a better job. All questions about applicant's technical qualifications are eliminated by the simple statement—"I am a registered professional engineer, Wisconsin E....."

In the office, at home, at church, at clubs—when you speak on technical matters, people will know that your opinion is entitled to respect because the State has certified by registration that you are professionally competent.

Why Should I Register Now?

The need and agitation for professionalizing engineering through registration began about 40 years ago and the original state acts were vigorously opposed for many years. But between 1920 and 1945 intensive action has taken place and all states have now passed registration acts.

Registration of professional engineers throughout the nation has continued to increase until there are now some 70,000 engineers enjoying the benefits of registration.

Now is the time to register! Many states are strengthening registration laws as experience demonstrates that to be necessary in raising the standards of the profession and to insure exclusion of quacks, charlatans and others who degrade the reputation of the profession. Such changes are in no wise barriers to the registration of qualified engineers—but present requirements in Wisconsin are such that those who are duly qualified can register with a minimum of effort and preparation.

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FOUR STATES BROADEN RECIPROCITY RULES FOR MOTOR VEHICLES

Four state legislatures in 1949 have taken steps to liberalize or broaden motor vehicle reciprocity legislation, a survey by the National Highway Users Conference shows.

Indiana legalized reciprocal agreements that have been made by its Reciprocity Commission with other states. Maryland authorized its governor to enter into reciprocal agreements with other states covering vehicles registered in another state operated in Maryland by Maryland residents. New Mexico permitted its reciprocal agreements to cover for-hire vehicles operating between fixed termini in the state. Washington authorized reciprocal agreements covering fleet operators of commercial vehicles. However, a bill is pending in Wisconsin's legislature to repeal its reciprocity law passed in 1947.

Under complete reciprocity, a vehicle properly licensed to operate in one state can operate in another state without payment of additional license fees pro-

vided its home state also extends that privilege to the other state.

U. S. ROAD LOANS URGED

California's Redwood Empire Association has revealed plans to seek a state law under which California would try to borrow sufficient funds from the Federal government to begin all programmed state highway system construction as fast as it can be contracted.

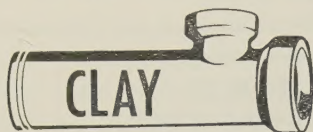
Highway Highlights.

TRAFFIC SAFETY RECORD

First Six Months of Year Finds Death Rate Declining

The nation's traffic death rate during the first half of 1949 was the lowest in highway transportation history. The rate is for deaths per hundred million miles of vehicle travel. In a period when traffic was still on the upgrade, the rate fell to 6.8 compared to 12 in 1946, when postwar growth in traffic was resulting in many traffic casualties.

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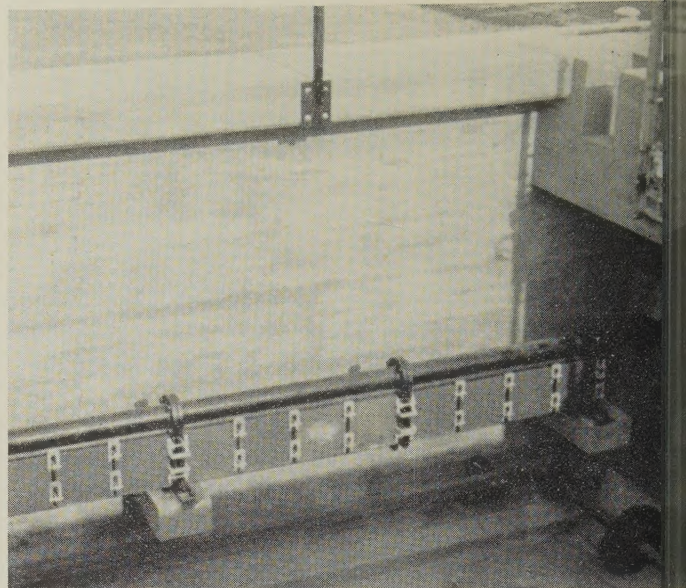
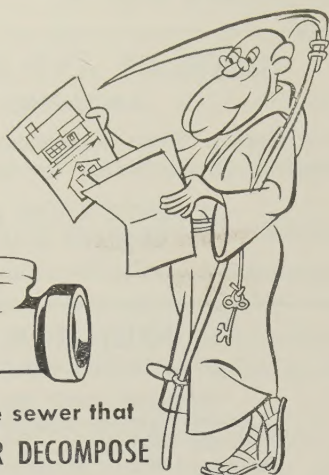
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Recent PFT Preaeration equipment installations include: Marshfield, Wis.; San Leandro, Calif.; and Stockton, Calif. The North Point Plant for the City of San Francisco, for which contracts were recently awarded, also incorporates PFT preaeration equipment. Write for details.

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A LETTER ON THE SIXTY-FIFTH ANNUAL MEETING

Illinois Engineer

C. E. Hall
204 Engineering Hall
Urbana, Illinois

Dear Editor:

I have some comments with respect to the forthcoming I. S. P. E. Convention in Decatur that I would like to pass on to the membership before the Convention starts.

It seems to me that our annual business meeting should be extremely important to all members. A good attendance is needed if we are to be informed of the inner workings of our organization.

An important portion of the business meeting has been deemphasized for many years. This portion is usually headed as "new business." In my opinion our future policies, comments of outside influences such as socialization, unionism, etc. should be discussed fully in open forum. Everyone should enter into these discussions.

Our membership problems are much more critical than has been shown in articles in the *Illinois Engineer*.

Let's have a good attendance at Decatur and make it a worthwhile meeting.

Very truly yours,
L. J. WOODYATT
Engineer